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IN THE CLAIMS

Please amend the claims as follows:

1. (previously presented) A primary battery, comprising:
 - one or more anodes that include lithium;
 - one or more cathodes having a total capacity less than a total capacity of the one or more anodes; and
 - a nonaqueous electrolyte including a component having a decomposition voltage of between about 1 V and the battery discharge voltage, the battery discharge voltage being higher than 1 V.
2. (previously presented) The primary battery of claim 1, wherein the component includes a lithium bis(chelato)borate.
3. (previously presented) The primary battery of claim 2, wherein the lithium bis(chelato)borate comprises lithium bis(oxalato)borate (LiBOB).
4. (canceled)
5. (previously presented) The primary battery of claim 3, wherein the one or more cathodes include carbon.
6. (canceled)
7. (previously presented) The primary battery of claim 3, wherein the one or more cathodes include fluorinated carbon.
8. (previously presented) The primary battery of claim 1, wherein the component is one of a plurality of components in the electrolyte that each has a decomposition voltage of between about 1 V and the battery discharge voltage.

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9. (previously presented) The primary battery of claim 1, wherein the component includes one or more compounds selected from the group consisting of: vinylene carbonate (VC) and vinyl ethylene carbonate (VEC).

10. (previously presented) The primary battery of claim 1, wherein the component is includes one or more compounds selected from the group consisting of: lithium cyclopentadienide and lithium tetramethylcyclopentadienide.

11. (previously presented) The primary battery of claim 1, wherein the component includes vinyl sulfolane.

12. (previously presented) The primary battery of claim 1, wherein the component includes carbon disulfide (CS₂).

13. (previously presented) The primary battery of claim 1, wherein the decomposition voltage is between about 1 V and about 3.5 V.

14. (previously presented) The primary battery of claim 13, wherein the decomposition voltage is between about 1 V and about 3 V.

15. (previously presented) The primary battery of claim 13, wherein the decomposition voltage is between about 1 V and about 2 V.

16. (previously presented) The primary battery of claim 13, wherein the decomposition voltage is between about 1.5 V and about 3 V.

17. (previously presented) The primary battery of claim 13, wherein the decomposition voltage is between about 1.5 V and about 2 V.

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18. (previously presented) The primary battery of claim 1, wherein the electrolyte further comprises one or more solvents selected from the group consisting of: propylene carbonate (PC), 1,2-dimethoxyethane (DME), diethyl carbonate (DEC), propyl acetate (PA), gamma-butyrolactone (GBL), tetrahydrofuran (THF), dimethylsulfoxide (DMSO), ethylene carbonate (EC), ethyl methyl carbonate (EMC), and dimethylcarbonate (DMC).
19. (previously presented) The primary battery of claim 1, wherein the electrolyte includes a polymer electrolyte.
20. (previously presented) The primary battery of claim 1, wherein an actual capacity of the battery is at least 10% greater than a said theoretical capacity of the battery.
21. (previously presented) The primary battery of claim 1, wherein an actual capacity of the battery is at least 20% greater than a said theoretical capacity of the battery.
22. (previously presented) The primary battery of claim 1, wherein an actual capacity of the battery is at least 30% greater than a theoretical capacity of the battery.
23. (canceled)
24. (previously presented) The primary battery of claim 5, wherein the carbon is fluorinated.
25. (previously presented) The primary battery of claim 24, wherein the one or more cathodes include vanadium oxide.
26. (canceled)
27. (previously presented) The primary battery of claim 1, wherein the one or more anodes includes material selected from the group consisting of: lithium metal, an alloy of

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lithium, mixed metals containing lithium, lithium silicon, lithium silicon oxide, lithium graphite intercalation compound (LiGIC), and lithiated carbon.

28.-138. (canceled)